

East Los Angeles College
Department of Mathematics
Math 245 College Algebra (3 Units)
Fall 2014 - Syllabus

Instructor Information:

Instructor: Gabriel Castro

Office: The Math Lab K5 - 104

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Instructor's Website: www.gcastromath.com

Office Hours: Monday - 2:00 - 3:30, Tuesday/Thursday - 12:30 - 2:00pm

Times subject to change due to meetings.

If you would like to make an appointment, please email me.

Course Information:

Section: 1716

Classroom: K7 - 109

Class Time: Wednesday, 12:30 - 3:40pm

Prerequisite:

Satisfactory completion of Mathematics 125 or acceptable level of skill as demonstrated in the mathematics placement process.

Course Description:

Topics in college algebra including mathematical induction, the binomial theorem, theory of equations, sequences and series, determinants and matrices, and functional analysis are covered. Analytic geometry, including conics is studied.

Course Materials:

Text: Precalculus, 5th edition, by Stewart, Redlin and Watson

Calculator: Scientific calculator. You may **not use** a graphing calculator or a cell phone that has a calculator option.

Grading:

Take Home Exams (3): 15%

Quizzes: 25%

Unit Exams (3): 30%

Comprehensive Final Exam:30%

A = 90% — 100%

B = 80% — 90%

C = 70% — 80%

D = 60% — 70%

F = 0% — 60%

Attendance:

Attendance is the student's responsibility. Students are expected to be present at every class meeting. Failure to attend class will result in missing valuable information. All students are solely responsible for all information missed as a result of an absence. It is the student's responsibility to find out what they missed from their classmates.

If a student is absent at least 2 days of class, they will be dropped from the class.

Take-Home Exams:

Take-Home Exams are posted online. Students must print them out and perform all relevant work on them. Take-Home Exams are due the day of the unit exam. Take-Home Exams must be completed as follows:

- i. Ordered properly
- ii. Legible
- iii. If a pencil is used, then all apparent mistakes must be erased. Not scribbled over.
- iv. If a pen is used, then all apparent mistakes must be covered with white-out. Not scribbled over.
- v. Completed to the best of the student's ability. **All exercises must be attempted.**
- vi. When turned in, all sheets of paper must be stapled.

If a Take-Home Exam is not submitted in this manner, the student will receive a grade of zero for the assignment.

Only selected problems will be graded.

Late Take-Home Exams will not be accepted and no extensions will be given. No exceptions.

Quizzes:

The quizzes are Take-Home quizzes and are intended to encourage students to attend class regularly, take good notes and use them as a study guide. Students must print out these quizzes that are posted online. All quizzes must be completed as follows:

- i. Legible
- ii. If a pencil is used, then all apparent mistakes must be erased not scribbled over.
- iii. If a pen is used, then all apparent mistakes must be covered with white-out not scribbled over.
- iv. Completed to the best of the student's ability. **All exercises must be attempted.**
- v. When turned in, if there are multiple sheets of paper they must be stapled in their correct order.

If a Quiz is not submitted in this manner, the student will receive a grade of zero for the assignment.

Late Quizzes will not be accepted and no extensions will be given. No exceptions.

Unit Exams:

Unit Exams must be completed as follows:

- i. Legible
- ii. If a pencil is used, then all apparent mistakes must be erased. Not scribbled over. If a pen is used, then all apparent mistakes must be covered with white-out. Not scribbled over.

If a Unit Exam is not submitted in this manner, the student will receive a grade of zero for the assignment.

Exam #1:

Chapter 1: Fundamentals

Chapter 2: Functions

Exam #2:

Chapter 3: Polynomial and Rational Functions

Chapter 4: Exponential and Logarithmic Functions

Exam #3:

Chapter 9: Systems of Equations and Inequalities

Chapter 10: Analytic Geometry

Chapter 11: Sequences and Series

Final Exam Date & Time:

Wednesday, December 17, 2014

12:00pm - 2:00pm

Student Learning Outcome (SLO):

- 1.) Students will use a method of factoring (long division, synthetic division) to factor a polynomial function of degree $n \leq 3$ into its linear factors, given a zero.
- 2.) Students will determine the zeros of a polynomial function given one of the zeros is a complex number.
- 3.) Students will determine the zeros of a polynomial function given one of the zeros is a complex number

Extra Credit:

Attending the Math Tutoring Lab for at least one hour a week, for the entire semester, will give the student 4% extra credit.

Student Information

Refer to the East Los Angeles College General Catalog 2013 - 2015, Pages 25 - 40.

Board Rule 9803.12 Dishonesty - East Los Angeles College - Policy On Academic

Honesty

Refer to the East Los Angeles General Catalog 2013 - 2015 page 25.

Student Services

Refer to the East Los Angeles College General Catalog 2013 - 2015, Pages 41 - 49.

Disabled Student Program and Services (DSPS) - East Los Angeles College

Refer to the East Los Angeles General Catalog 2013 - 2015 pages 43 - 44.

Scholastic Policies

Refer to the East Los Angeles College General Catalog 2013 - 2015, Pages 50 - 67.

Electronic Device Class Policy:

An electronic device such as a cell phone, PDA, MP3 player (earphones included), Bluetooth device, computer and recording device may not be out and may not be used while the class is in session. Students must put all such devices away while the class is in session. If a student is caught with an electronic device in class, the student will be asked to leave for the remaining of the class meeting. Furthermore, being caught with an electronic device will result in a deduction of 25% on the upcoming unit exam. In order to not be deducted 25% on the unit exam, the student must submit an extra assignment that will be determined by the instructor.

Definition of caught with an electronic device in class:

If I see it the electronic device, if I hear the electronic device (that includes a phone ringing, beeping, vibrating, etc), if I see anyone texting or if I see any one checking their electronic device while the class is in session. This also means that the student will close all book bags, purses, etc and set them next to them on the floor or under their chair. The student will not be allowed to place their bag on top of their desk or on their lap while the class is in session. I suggest that each student turn off their phone put it away.

ELAC Fall 2014 Calendar

Monday, September 01	HOLIDAY - College Closed (Labor Day)
Tuesday, September 02	Day & Evening Classes Begin
September 02 - Sept. 12	Late Registration Period - Add Permit by Instructor Permission Only
Friday, September 12	*ADD DEADLINE-Last Day to Submit Add or Audit Permits in person for Full-Term Classes <i>(Date for short term classes is approximately 20% of term, please verify with Admissions Office or instructor)</i>
Sunday, September 14	*DROP DEADLINE #1- Last Day to Drop Classes Online Without Having to Pay Fees Last Day to Drop Classes Online Without "W" <i>(Date for short term classes vary, please verify with Admissions Office or instructor)</i>
Sept. 09 - Dec. 19	Graduation Petition Period
Friday, September 26	Last Day to Return Parking Permits
Friday, October 10	Last Day to File for Pass/No Pass <i>(Date for short term classes vary, please verify with Admissions Office or instructor)</i>
Monday, November 3	Check Refunds Mailed (for students who paid with check)
Friday, November 07	Last Day for Section Transfers
Tuesday, November 11	HOLIDAY - College Closed (Veterans Day)
Sunday, November 23	*DROP DEADLINE #2 - Last Day to Drop Classes Online with a "W" <i>(Date for short term classes vary, please verify with Admissions Office or instructor)</i>
Thursday - Sunday, November 27 - Nov. 30	HOLIDAY - College Closed (Thanksgiving)
Sunday, December 14	Last Day of Full Term Class Instruction
December 15 - Dec. 21	Final Examinations
Sunday, December 21	Fall 2014 Semester Ends

Math 245 Calendar

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	9/1/2014	9/2/2014	9/3/2014	9/4/2014	9/5/2014
	Holiday		Ch.1		
2	9/8/2014	9/9/2014	9/10/2014	9/11/2014	9/12/2014
			Ch.1 Ch. 2		
3	9/15/2014	9/16/2014	9/17/2014	9/18/2014	9/19/2014
			Ch. 2		
4	9/22/2014	9/23/2014	9/24/2014	9/25/2014	9/26/2014
			Unit Exam #1 Ch. 3		
5	9/29/2014	9/30/2014	10/1/2014	10/2/2014	10/3/2014
			Ch. 3		
6	10/6/2014	10/7/2014	10/8/2014	10/9/2014	10/10/2014
			Ch.3		
7	10/13/2014	10/14/2014	10/15/2014	10/16/2014	10/17/2014
			Ch.3 Ch. 4		
8	10/20/2014	10/21/2014	10/22/2014	10/23/2014	10/24/2014
			Ch. 4		

Week	Monday	Tuesday	Wednesday	Thursday	Friday
9	10/27/2014	10/28/2014	10/29/2014	10/30/2014	10/31/2014
			Ch. 4 Ch.9		
10	11/3/2014	11/4/2014	11/5/2014	11/6/2014	11/7/2014
			Unit Exam #2 Ch. 9		
11	11/10/2014	11/11/2014	11/12/2014	11/13/2014	11/14/2014
		Holiday	Ch. 9		
12	11/17/2014	11/18/2014	11/19/2014	11/20/2014	11/21/2014
			Ch. 9 Ch. 10		
13	11/24/2014	11/25/2014	11/26/2014	11/27/2014	11/28/2014
			Ch. 10 Ch. 11	Holiday	Holiday
14	12/1/2014	12/2/2014	12/3/2014	12/4/2014	12/5/2014
			Ch. 11		
15	12/8/2014	12/9/2014	12/10/2014	12/11/2014	12/12/2014
			Unit Exam # 3		
16	12/15/2014	12/16/2014	12/17/2014	12/18/2014	12/19/2014
			Final Exam		

➤ Note: Syllabus subject to change at the instructor's discretion.